

**APPARATUS FOR PROVIDING A GATEWAY BETWEEN A WIRED
TELEPHONE AND A WIRELESS TELEPHONE NETWORK**

Abstract

5 An apparatus is provided for creating a gateway between a wired telephone and a
wireless telephone network. The gateway device is connected to a wired home telephone
network having one or more wired telephones, a wired telephone network, such as the
PSTN, and a wireless telephone network. The apparatus may operate in a first mode that
allows the wired telephone network to be utilized as a primary telephone network for the
10 wired home telephone network and the wireless telephone network to be utilized as a
backup in case of failure of the wired telephone network. Alternatively, the apparatus
may operate in a second mode that allows the wireless telephone network to be utilized as
a primary telephone network for the wired home telephone network and the wired
telephone network to be utilized as a backup in case of failure of the wireless telephone
15 network. The selection of the operating mode for the apparatus may be based upon user
selection, a user-specified time schedule, dialed digits, or other factors.

TRANSMITTER